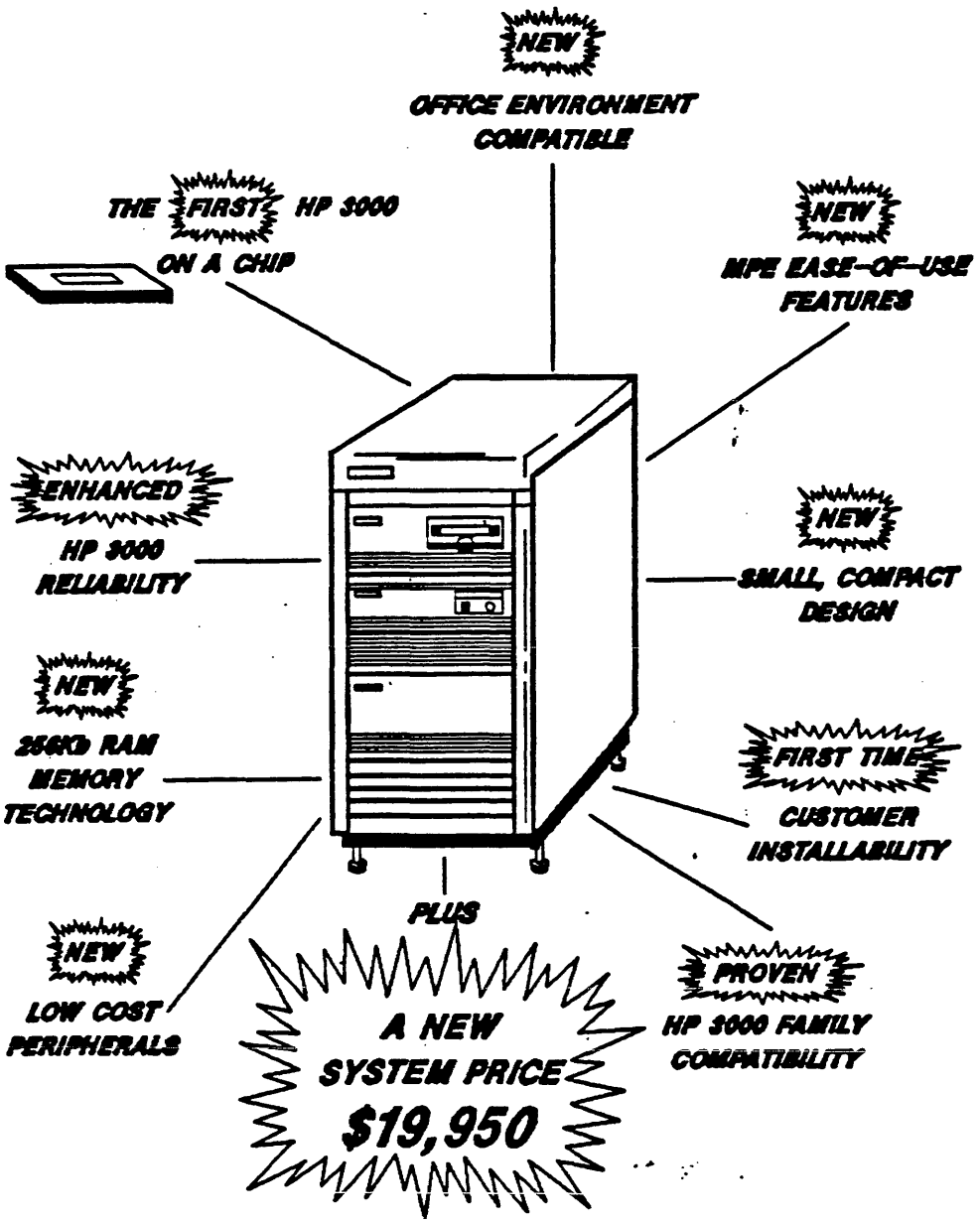
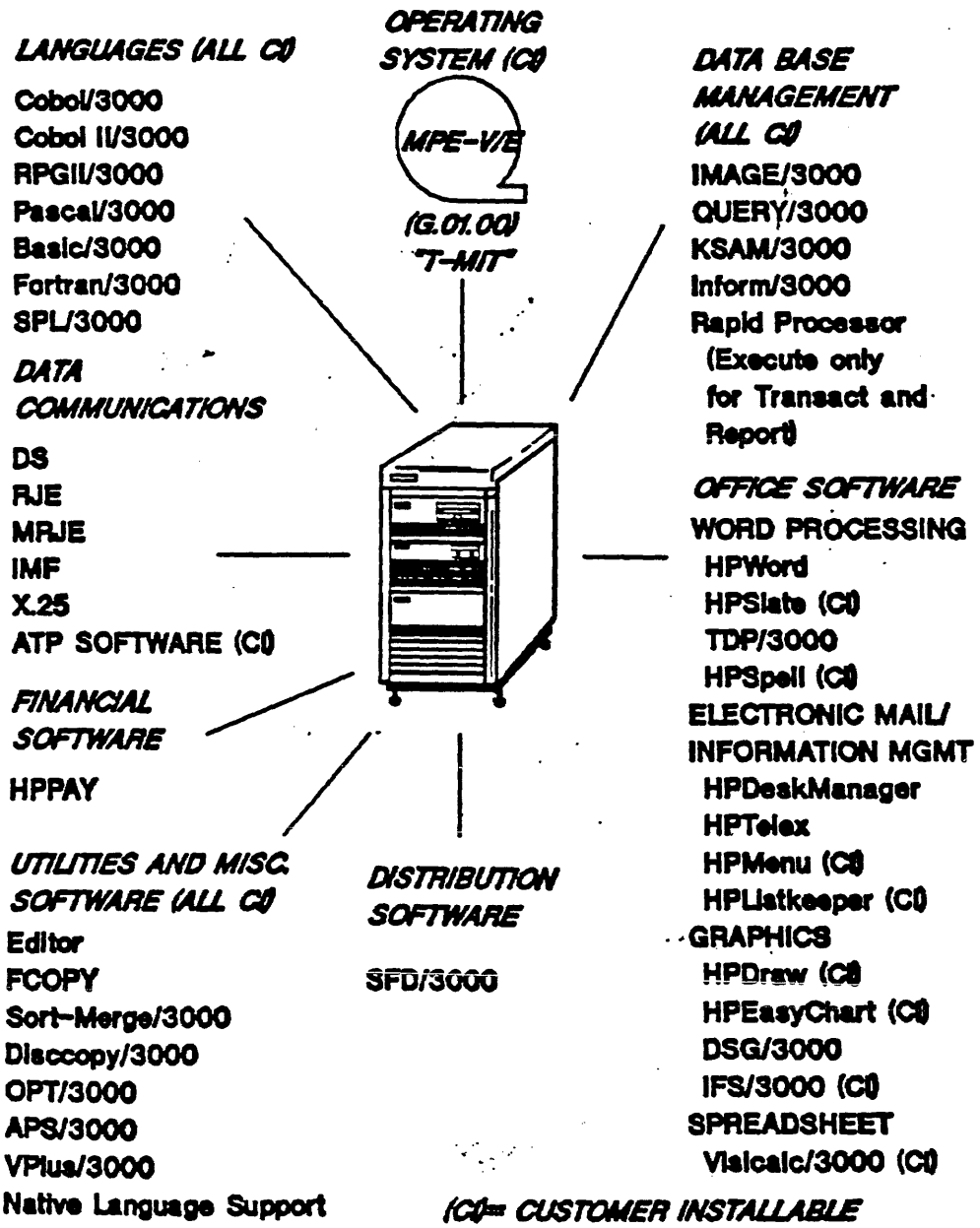
Introducing the Series 37

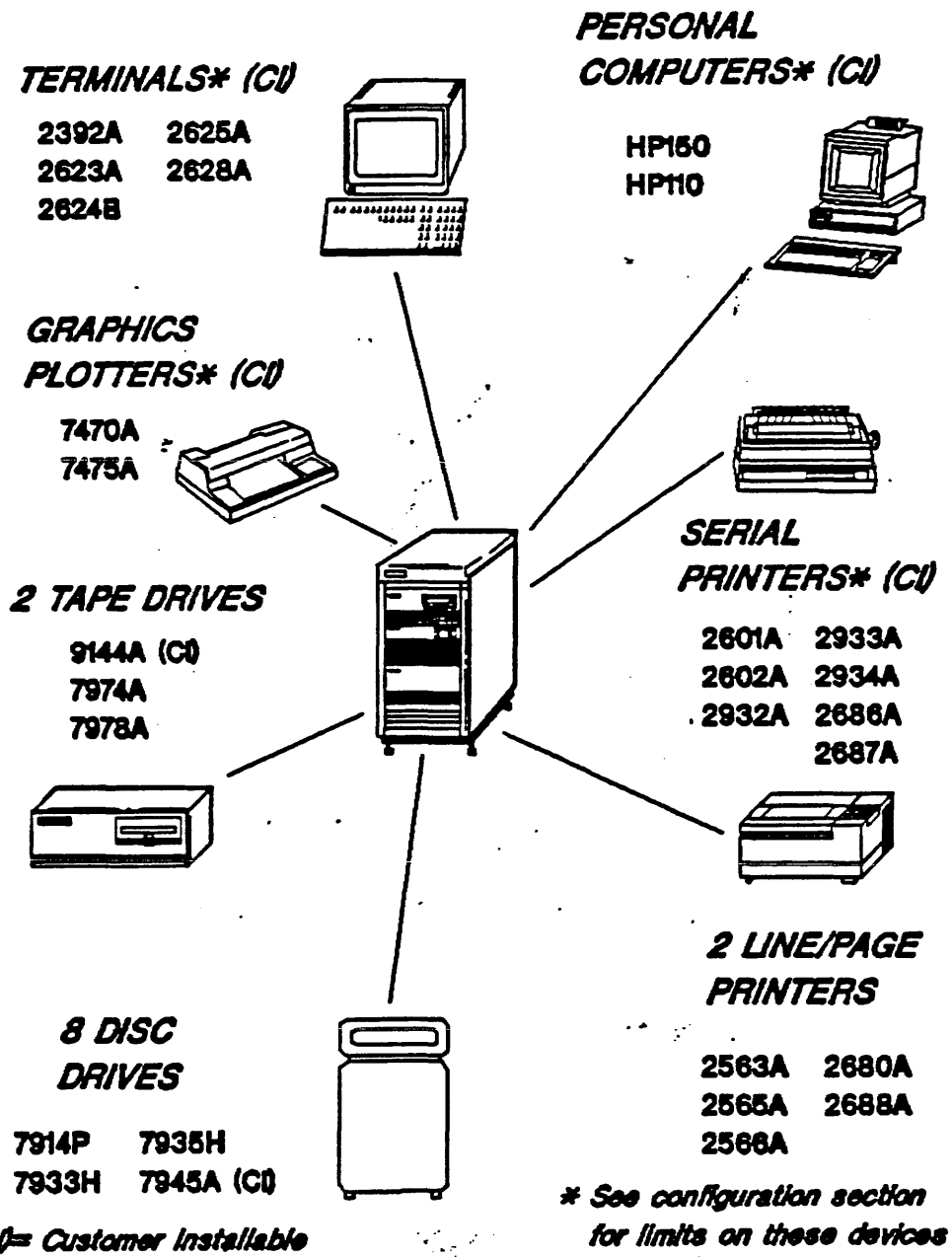


Sales Book
5953-7674

Supported Software on the Series 37



Choice Of Peripherals



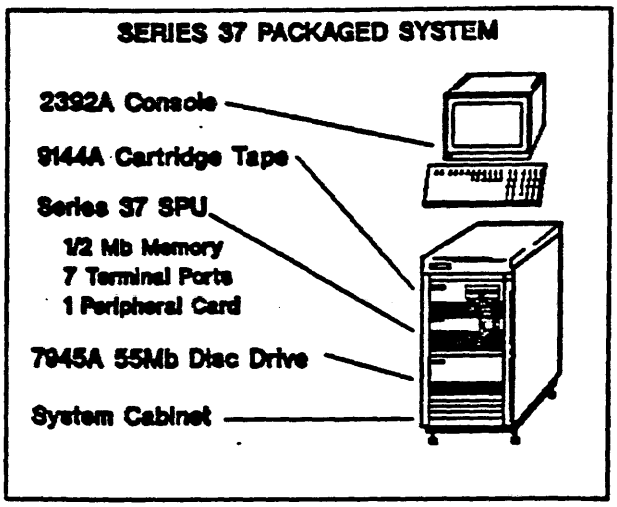
Two New Models For Low End Solutions

The Series 37 Package and the Series 37XE SPU

THE SERIES 37 PACKAGE

...is a complete, entry level system.

...consists of :
- Series 37 SPU with 1/2 Mb
- Peripheral Interface Card
- ATP37
- 55 Mb Disc Drive
- 67 Mb Cartridge Tape
- 2392A System Console
- System Cabinet

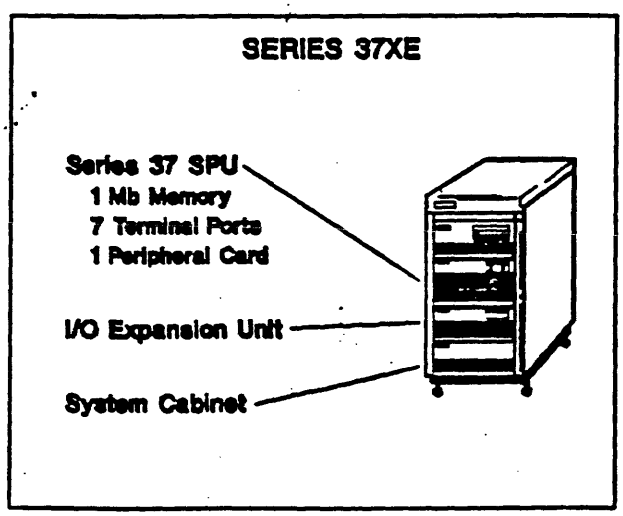


19950

THE SERIES 37XE SPU

...provides the building block for a departmental or work-group system.

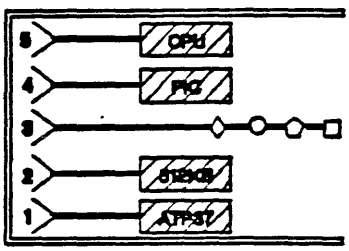
...includes:
- Series 37 SPU with 1 Mb
- Peripheral Interface Card
- ATP37
- I/O Expansion Unit
- System Cabinet

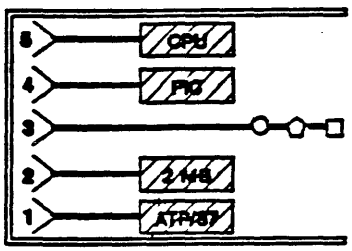


20K

Series 37 Configuration Guide

S/37 w/ 512 Kb





S/37 w/ 2 Mb

KEY: STANDARD OPTIONAL

RULES:

1. Memory boards must be installed in slots 2 & 3.
2. 512Kb and 2Mb boards may not be used together.
3. Each PIC supports 8 external electrical device loads and up to 6 HP-IB devices.
4. 2Mb memory board is installed in slot #2.
5. INP's and PIC's are not customer installable.

*INP's are part of AdvanceNet Network Link Product; cannot be ordered separately.

ADD-ON PRODUCTS			
512Kb MEMORY	ADVANCED TERMINAL PROCESSOR	INTELLIGENT* NETWORK PROCESSOR	PERIPHERAL I/F CHANNEL
512Kb Opt.507	ATP37 Opt.001	INP (LINK)	PIC 30459A
	Modem		

Note: Be sure to start with standard ATP37 and PIC

Series 37 Supported Peripherals

Cannot Configure All Maximums

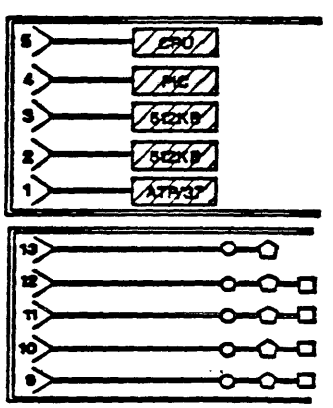
HP-IB Devices	Series 37 Max.	Series 37XE Max.	Electrical Device Load
Maximum PIC's	2	3	
Maximum INP's	1	3	1
Discs: 7914P*	4	4	1
7914ST*	2	2	2 (Var. from 2-4)
7933/7935H	4	4	1
7945A	4	4	1
Maximum Disc Drives	8	8	
Tape Drives: 7974A	2	2	1 (Var. from 1-3)
9144A	2	2	1
7978A	2	2	1 (Var. from 1-3)
Maximum Tape Drives*	2	2	
Line Printers: 2563A	2	2	1 (Var. from 1-7)
2565A	2	2	1 (Var. from 1-7)
2566A	2	2	1 (Var. from 1-7)
Maximum Line Printers	2	2	
Page Printers: 2680A	2	2	4 (Var. from 1-8)
2688A	2	2	4 (Var. from 1-8)
Maximum Page Printers	2	2	

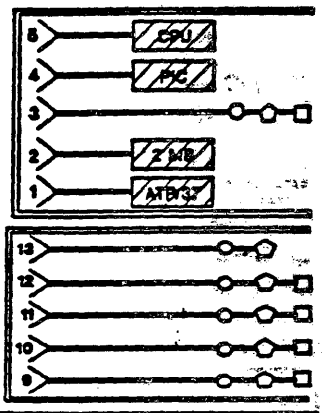
Serial Devices (RS-232C)	Series 37	Series 37XE
Serial Printers: 2932A	3	3
2933A	3	3
2934A	3	3
2686A	3	3
2687A*	1	1
2601A/2602A	3	3
Maximum Serial Printers*	3	3
Terminals: 2392A	14	28
2623A	14	28
2624B	14	28
2625A	14	28
2628A	14	28
150 (Touchscreen)	14	28
110 (Portable)	14	28
Maximum Terminals	14	28

NOTES:
*Linus tape option on 7914 is not supported.
*When 2687A is configured, no other serial printer may be used.
*7914ST with opt. 114 has device load of 3, variable from 3 to 5.
*7914ST should also be included in maximum for 7974A tape drives.

Series 37XE Configuration Guide

S/37XE w/ 1 Mb





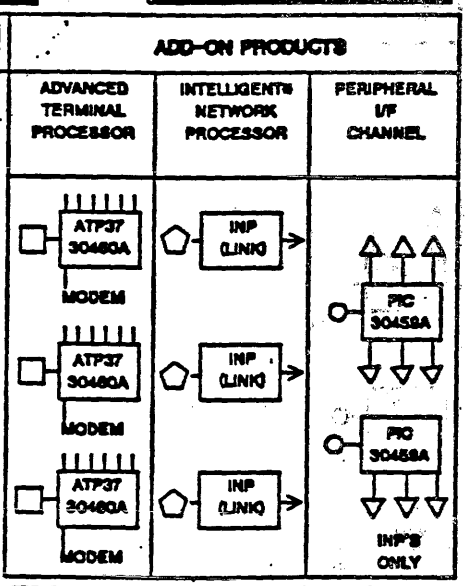
S/37XE w/ 2 Mb

KEY: STANDARD OPTIONAL

RULES:

1. 512Kb memory boards must be installed in card slots 2&3 of SPU.
2. ATP37's cannot be placed in adjacent card slots.
3. ATP37's cannot be placed in slot 13.
4. 2Mb memory boards must be installed in slot #2.
5. 512Kb and 2Mb memory boards may not be used together.
6. An INP cannot be installed in the card slot above an ATP37.
7. Each PIC can support up to 6 HP-IB devices and 8 electrical device loads. Third PIC will only support INP's.

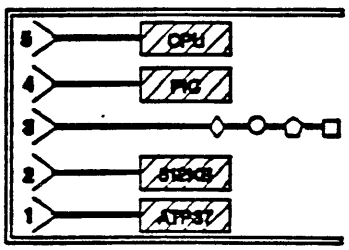
*INP's are part of AdvanceNet Network Link Product; cannot be ordered separately.

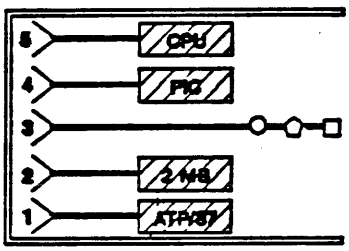


NOTE: Be sure to start with standard ATP37 and PIC

Series 37 Configuration Guide

S/37
w/ 512 Kb





S/37
w/ 2 Mb

KEY: STANDARD OPTIONAL

RULES:

1. Memory boards must be installed in slots 2 & 3.
2. 512Kb and 2Mb boards may not be used together.
3. Each PIC supports 8 external electrical device loads and up to 6 HP-IB devices.
4. 2Mb memory board is installed in slot #2.
5. INP's and PIC's are not customer installable.

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ADD-ON PRODUCTS			
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512Kb Opt.507	ATP37 Opt.001 Modem	INP (LINK)	PIC 30459A

Note: Be sure to start with standard ATP37 and PIC

CENTRAL PROCESSING UNIT (CPU)

CMOS VLSI Gate Array
Low Power Consumption
4X Circuit Density Increase
Time-Of-Century Clock

PERIPHERAL INTERFACE CONTROLLER (PIC)

HP-IB Protocol
6 Devices Per PIC
1 MByte/sec Transfer Rate

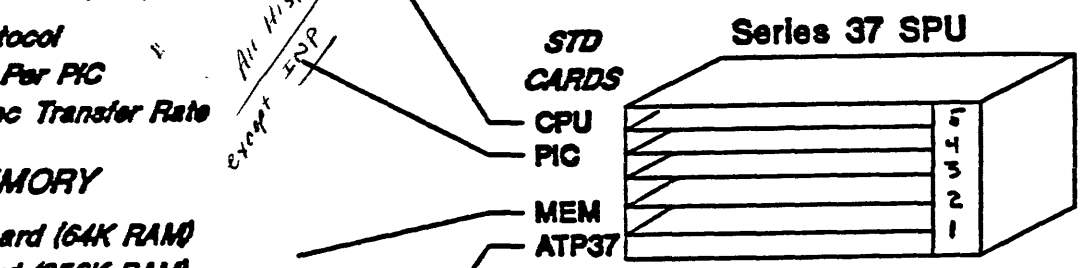
All HiSpeed except INP

MAIN MEMORY

512 Kb Board (64K RAM)
2 Mb Board (256K RAM)
Single Bit Error Detection and Correction, Double Bit Error Detection

ADVANCED TERMINAL PROCESSOR (ATP37)

ATP Subsystem Compatible
CMOS VLSI Gate Array
6 Direct Connect and 1 Modem Connect Port
Up to 19,200 BPS



INTELLIGENT NETWORK PROCESSOR (INP)

Single Synchronous Link
Up to 56 KBPS Data Transfer Rate